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NO. 522 P. 2

2004年 5月24日 11時17分

カワコサイトキョシ ムシヨ

Serial No.: 10/688,197

Filed: October 17, 2003

PATENT KAWAW34.001CP1



ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

To the Commissioner of Patents and Trademarks:

The undersigned is empowered to act on behalf of the assignee indicated below (the "Assignee"). The original assignment of the attached application for Letters Patent for the invention in WAVELENGTH CONVERTER AND WAVELENGTH DIVISION MULTIPLEXING TRANSMISSION METHOD USING SAME from the inventors to the Assignee is being submitted herewith for recordation by the Assignment Branch. A true copy of this Assignment is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee. I have reviewed this Assignment, and to the best of the Assignee's knowledge and belief, the Assignee is the owner of the entire right, title, and interest in the above-referenced application.

I declare that all statements made herein of my own knowledge are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use Customer No. 20,995 for all communications.

Assignee: The Furukawa Electric Co., Ltd.

By: Hiroshi Ishihara

Printed Name: Hiroshi ISHIHARA

Title: President

Dated: May 21, 2004

2004年 5月24日 11時18分

カワコクサイトツキョシ ムシ

NO. 522 P. 3

KAWAW34.001CP1

PATENT

ASSIGNMENT

WHEREAS, WE,

Osamu Aso, a Japanese citizen, residing at, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan;

Shu Namiki, a Japanese citizen, residing at, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan;

Kouki Sato, a Japanese citizen, residing at, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan;

Hijiri Nimura, a Japanese citizen, residing at, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan;

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in

WAVELENGTH CONVERTER AND WAVELENGTH DIVISION MULTIPLEXING  
TRANSMISSION METHOD USING SAME

the specification of which:

- (a) ☐ is attached hereto; or
- (b) ☒ was filed on October 17, 2003 as Application No. 10/688,197 or
- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_, and as amended under PCT Article 19 on \_\_\_\_\_ (if any) and/or under PCT Article 34 \_\_\_\_\_ (if any).

AND WHEREAS, THE FURUKAWA ELECTRIC CO., LTD. (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

COPY  
DO NOT RECORD

2004年 5月24日 11時18分

カワコクサイトツキョシ ムシヨ

NO. 522 P. 4

KAWAW34.001CP1

PATENT

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21st day of May, 2004

Osamu Aso

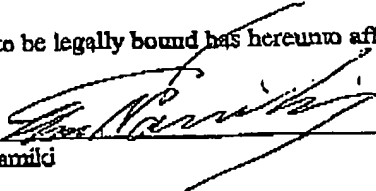


Witness: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21st day of May, 2004

Shu Namiki

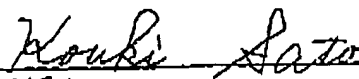


Witness: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21st day of May, 2004

Kouki Sato

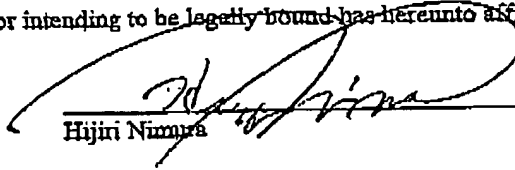


Witness: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21st day of May, 2004

Hijiri Numura



Witness: \_\_\_\_\_

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**COPY  
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2004年 5月24日 11時18分

カワコサイトツキョシ ムシヨ

NO. 522 P. 5



## Declaration and Power of Attorney for Patent

特許出願宣言書及び委任状  
Japanese Language Declaration  
日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない：

☐ \_\_\_\_\_の日に出席され、  
この出席の米国特許出願番号またはPCT国際出願番号は、  
\_\_\_\_\_であり、且つ  
\_\_\_\_\_の日に補正された出席（該当する場合）

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

WAVELENGTH CONVERTER AND  
WAVELENGTH DIVISION MULTIPLEXING  
TRANSMISSION METHOD USING SAME

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_  
as United States Application Number or  
PCT International Application Number  
\_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

2004年 5月24日 11時18分

カワコサイトツキョジ ムシヨ

NO. 522 P. 6

Japanese Language Declaration  
(日本語宣誓書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a) - (d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)  
外国での先行出願

Priority Claimed  
優先権主張

Yes No  
(はい) (いいえ)

(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>	<input type="checkbox"/>
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>	<input type="checkbox"/>
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願日/月/年)	<input type="checkbox"/>	<input type="checkbox"/>

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

2004年 5月24日 11時18分

カワコサイトツキョジ ムシ

NO. 522 P. 7

Japanese Language Declaration  
(日本語宣言書)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日との間の期間中に入手された情報で、連邦規則法第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

09/750,535

December 28, 2000

Pending

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可、係属中、放棄)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可、係属中、放棄)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可、係属中、放棄)

私は、ここに、表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2004年 5月24日 11時18分

カワコサイトツキョシ ムシヨ

NO. 522 P. 8

Japanese Language Declaration  
(日本語宣言書)

委任状：私は本出願を審査する手続きを行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、Knobbe, Martens, Olson & Bear LLP, Customer No. 20,995 の登録者を任命する。

POWER OF ATTORNEY: As a named inventor, I hereby appoint the registrants of Knobbe, Martens, Olson & Bear LLP, Customer No. 20,995 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

書類送付先

Send Correspondence to:

Knobbe, Martens, Olson & Bear  
2040 Main Street, 14th Floor  
Irvine, CA 92614

直通電話連絡先 (氏名及び電話番号)

Direct Telephone Calls to:

Thomas Amo  
619-235-8550

唯一または第一発明者氏名

Full name of sole or first inventor

Osamu ASO

発明者の署名

日付(月/日/年)

Inventor's signature

Date

x

藤生 修

x May 21, 2004

居住地 (国及び市名のみ記入、以下は省略)

City and Country of Residence

Tokyo, Japan

国籍

Citizenship

Japanese

郵便の宛先

Post Office Address

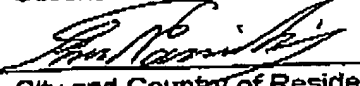
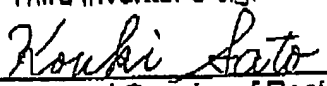
c/o The Furukawa Electric Co., Ltd  
6-1, Marunouchi 2-chome, Chiyoda-  
Tokyo, 100-8322, Japan



2004年5月24日 11時18分

カワコクサイトキョジ ムシヨ

NO. 522 P. 9

第二共同発明者がいる場合、その氏名	Full name of second joint inventor, if any Shu NAMIKI	
第二共同発明者の署名	日付(月/日/年)	Second inventor's signature      Date
	X	 May 21, 2004
居住地 (国及び市名のみ記入、以下は省略)	City and Country of Residence Tokyo, Japan	
国籍	Citizenship Japanese	
郵便の宛先	Post Office Address c/o The Furukawa Electric Co., Ltd. 6-1, Marunouchi 2-chome, Chiyoda-ku Tokyo, 100-8322, Japan	
第三共同発明者がいる場合、その氏名	Full name of third joint inventor, if any Kouki SATO	
第三共同発明者の署名	日付(月/日/年)	Third inventor's signature      Date
	X	 May 21, 2004
居住地 (国及び市名のみ記入、以下は省略)	City and Country of Residence Tokyo, Japan	
国籍	Citizenship Japanese	
郵便の宛先	Post Office Address c/o The Furukawa Electric Co., Ltd. 6-1, Marunouchi 2-chome, Chiyoda-ku Tokyo, 100-8322, Japan	

2004年 5月24日 11時19分

カワコサイトツキョジ ムシヨ

NO. 522 P. 10

第四共同発明者がいる場合、その氏名	Full name of fourth joint inventor, if any Hijiri NIMURA
第四共同発明者の署名 日付(月/日/年)	Fourth inventor's signature Date May 21, 2004
居住地 (国及び市名のみ記入、以下は省略)	City and Country of Residence Tokyo, Japan
国籍	Citizenship Japanese
郵便の宛先	Post Office Address c/o The Furukawa Electric Co., Ltd. 6-1, Marunouchi 2-chome, Chiyoda-ku Tokyo, 100-8322, Japan
第五共同発明者がいる場合、その氏名	Full name of fifth joint inventor, if any
第五共同発明者の署名 日付(月/日/年)	Fifth inventor's signature Date
居住地 (国及び市名のみ記入、以下は省略)	City and Country of Residence
国籍	Citizenship
郵便の宛先	Post Office Address

2004年 5月24日 11時19分

カワコサイトツキョジ ムシヨ

NO. 522 P. 11

第六共同発明者がいる場合、その氏名		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付(月/日/年)	Sixth Inventor's signature	Date
居住地(国及び市名のみ記入、以下は省略)		City and Country of Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	